

Utilities Element – policy update

Utilities Element Policy update | All policies

GOAL – streamline/simplify/condense polices as needed to reduce redundancy of concepts and increase readability

section	subsection	Existing policy #	Existing policy	Existing, Updated, Deleted, or New	Summary of update	Draft 1 policy update
A. General Utility Policies	Adequacy and Phasing of Facilities	UT-1	Ensure that adequate public utilities and facilities are planned for, located, extended, and sized consistent with the planned growth described in the Goals, Vision and Framework Policies; Annexation and Regional Planning; and Land Use Elements	Updated	Simplified and updated for clarity	Ensure that adequate public utilities and facilities are planned for, located, extended, and sized consistent with the planned growth and service standards described in the Redmond Comprehensive Plan. Goals, Vision and Framework Policies; Annexation and Regional Planning; and Land Use Elements
		UT-2	Design and maintain public utility facilities to meet service standards identified in the Capital Facilities Element and corresponding functional plans.	Existing	No change – aligns with priorities and best practices	No Change proposed
		UT-3	Encourage the use of innovative technologies to: <ul style="list-style-type: none">• Provide and maintain utility services;• Reduce the negative impacts of additional utility service demands;• Improve the existing service; and• Reduce, where appropriate, the overall demand on utility systems.	Updated	Updated language and added concept of resiliency	Encourage the use of innovative strategies technologies to: <ul style="list-style-type: none">• Provide, and maintain, and improve utility services;• Reduce the negative impacts of additional utility service demands;• Improve the resiliency of the utility systems;• Improve the existing service; and

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						<ul style="list-style-type: none"> • Reduce, where appropriate, the overall demand on utility systems.
		UT-4	Prevent extension of City provided urban utilities to rural areas outside the Urban Growth Area except to meet State Department of Health or other applicable health, safety and welfare codes. Design such extensions to rural standards and do not condition the extension with other urban development standards, such as street widening, sidewalks or street lighting.	Existing	No change – maintains best practices	No change proposed
		UT-5	If utility extension to an unincorporated area becomes necessary and immediate annexation is not possible per Policy A-10 (Annexation and Regional Planning Element), condition extension with an agreement to annex in a timely manner and an agreement to design the extension to City development standards.	Updated	Updated for clarity	If utility extension to an unincorporated area abutting the Urban Growth Area becomes necessary and immediate annexation is not possible per Policy A-10 (Annexation and Regional Planning Element) , condition extension with an agreement to annex in a timely manner and an agreement to design the extension to City development standards.
		UT-6	Conduct City operations in a manner that leads by example through activities, such as recycling, water conservation, energy conservation and low-impact	Updated	Updated to include GHG reduction	Conduct City operations in a manner that leads by example through activities, practices such as recycling, greenhouse gas reduction , water conservation, energy conservation, and low-impact

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			development processes whenever possible.			development processes whenever possible.
	Economic Considerations	UT-7	Require development to pay for or construct the growth-related portion of infrastructure needs.	Updated	Clarifies legal requirements	Require development to pay for or construct the growth-related portion of infrastructure needs to the extent consistent with state law.
		UT-8	Create equity in financing of capital facilities among city residents and those outside the city by reflecting the full cost of providing service outside city limits; for example, in the Novelty Hill service area.	Updated	Clarifies policy	Ensure equitable financing of capital facilities between customers located in geographically and functionally distinct areas by managing the City and Novelty Hill Water and Wastewater Service Areas as independent utilities with capital and operational expenses separately assigned. Create equity in financing of capital facilities among city residents and those outside the city by reflecting the full cost of providing service outside city limits; for example, in the Novelty Hill service area.
		UT-9	Promote the efficiency of utility placement both in cost and timing through methods such as the following: • Collocate public and private utilities in shared trenches or utility corridors, provided that such joint use is consistent	Existing	Maintains current practices	No change proposed

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			with limitations as may be prescribed by applicable legal and safety considerations; <ul style="list-style-type: none">• Coordinate facility planning so that utilities may locate in transportation corridors and other dedicated rights-of-way;• Provide timely notice to utilities or coordinate with them when the construction or repair of existing and new roadway, bridges or sidewalks is anticipated;• Provide a reasonable regulatory climate, recognizing that utilities provide a critical service to the community;• Provide expeditious permitting, recognizing that avoiding utility project delay can minimize service disruptions and associated costs for residents and businesses;• Design new public infrastructure to allow for projected future utilities that may be placed within those facilities at a later time; and• Encourage joint use of utility corridors for utilities, recreation and appropriate nonmotorized connections.			
		UT-10	Determine utility infrastructure necessary for a given development concurrently with site plan entitlement.	Existing	Maintains current practices	No change proposed
	Environmental Considerations	UT-11	Balance the need for provision of utilities at a reasonable cost with the	Deleted	Duplicates UT-12	Strike

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			need to protect the environment and natural resources.			Balance the need for provision of utilities at a reasonable cost with the need to protect the environment and natural resources.
		UT-12	Design, locate and construct facilities to minimize adverse impacts to the environment and to protect environmentally sensitive areas. Take into account both individual and cumulative impacts. Minimize impacts through actions such as: <ul style="list-style-type: none"> • Using construction methods and materials to prevent or minimize the risk of overflows into watercourses and water bodies; • Locating utility corridors in existing cleared areas; • Locating utility facilities and corridors outside of wetlands; • Minimizing crossings of fish-bearing watercourses; • Using biostabilization, riprap or other engineering techniques to prevent erosion where lines may need to follow steep slopes; and • Minimizing corridor widths. 	Updated	simplified	Design, locate and construct facilities to protect and minimize adverse impacts to the environment and to protect environmentally sensitive areas. Take into account both individual and cumulative impacts. Minimize impacts through actions such as: <ul style="list-style-type: none"> • Using construction methods and materials to prevent or minimize the risk of overflows into watercourses and water bodies; • Locating utility corridors in existing cleared areas; • Locating utility facilities and corridors outside of wetlands; • Minimizing crossings of fish-bearing watercourses; • Using biostabilization, riprap or other engineering techniques to prevent erosion where lines may need to follow steep slopes; and • Minimizing corridor widths.
		UT-13	Require underground installation of all new utility distribution lines, except	Updated	Simplified and split out tariff/franchise concepts	Require underground installation of all new utility distribution lines, except

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			where underground installation would cause greater environmental harm than alternatives or where the Washington Utilities and Transportation Commission tariff structure is not consistent with this policy. Consider new technologies such as wireless transmission as they become available.			where underground installation would cause greater environmental harm than alternatives. or where the Washington Utilities and Transportation Commission tariff structure is not consistent with this policy. Consider new technologies such as wireless transmission as they become available.
		NEW		New	New policy on consistency with state law	Ensure consistency with Washington Utilities and Transportation Commission tariff structure and state law regarding utility franchises.
		UT-14	Promote the undergrounding of existing utility lines by means such as: <ul style="list-style-type: none"> • Requiring undergrounding of utility distribution lines or provide for future undergrounding as a condition for development projects, • Undergrounding utility distribution lines or provide for future undergrounding as street projects occur, • Funding undergrounding through a capital improvement program or through formation of a local improvement district, and • Requiring individual service lines to be 	Updated	Grammar fix	Promote the undergrounding of existing utility lines by means such as: <ul style="list-style-type: none"> • Requiring undergrounding of utility distribution lines or provide for future undergrounding as a condition for development projects, • Undergrounding utility distribution lines or providing for future undergrounding as street projects occur, • Funding undergrounding through a capital improvement program or through formation of a local improvement district, and • Requiring individual service lines to be

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			undergrounded when significant site improvements are made.			undergrounded when significant site improvements are made.
		UT-15	Require reasonable screening or architecturally compatible design of above ground utility facilities, such as transformers and associated vaults. Promote highquality design of utility facilities through measures such as: <ul style="list-style-type: none"> • Use of varied and interesting materials, • Use of color, • Additions of artwork, and • Superior landscape design. 	Updated	simplified	Require reasonable screening or architecturally compatible design of above ground utility facilities. such as transformers and associated vaults. Promote highquality design of utility facilities through measures such as: <ul style="list-style-type: none"> • Use of varied and interesting materials, • Use of color, • Additions of artwork, and • Superior landscape design.
B. Water	Sources of Supply	UT-16	Continue to utilize, protect and sustain the Redmond well system to maximize the efficiency of the system. Ensure water is treated to meet state and federal drinking water regulations.	Updated	Grammar change	Continue to U utilize, protect and sustain the Redmond well system to maximize the efficiency of the system. Ensure water is treated to meet state and federal drinking water regulations.
		UT-17	Protect groundwater sources by maintaining and monitoring a Wellhead Protection Program which guides: <ul style="list-style-type: none"> • Land use decisions, • Development regulations, • Stormwater facility requirements, • Coordination with other agencies, and 	Updated	Grammar change	Protect groundwater sources by maintaining and monitoring a Wellhead Protection Program that which guides: <ul style="list-style-type: none"> • Land use decisions, • Development regulations, • Stormwater facility requirements, • Coordination with other agencies, and

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			<ul style="list-style-type: none"> Other measures necessary to protect Redmond’s well system. 			<ul style="list-style-type: none"> Other measures necessary to protect Redmond’s well system.
		UT-18	Participate with the Cascade Water Alliance to acquire additional sources of supply for future needs.	Updated	Updated for clarity of intention	Participate with in the Cascade Water Alliance to provide water supply to meet current and future needs of the City in a cost-effective and environmentally sustainable manner. acquire additional sources of supply for future needs.
		UT-19	Reduce average annual and peak day water use by participating in Cascade Water Alliance’s conservation programs.	Deleted	Duplicated existing NE policies	Strike Reduce average annual and peak day water use by participating in Cascade Water Alliance’s conservation programs.
	Facilities	UT-20	Design water delivery and storage systems to provide efficient and reliable service, to balance short- and long-term costs, and to comply with state and federal regulations through methods, including but not limited to: <ul style="list-style-type: none"> Use of gravity feed whenever feasible, Development of a looped system, and Standardization of transmission and distribution facility sizing and materials. 	Updated	Simplified	Design water delivery and storage systems to provide efficient and reliable service, to balance short- and long-term costs, and to comply with state and federal regulations. through methods, including but not limited to: <ul style="list-style-type: none"> Use of gravity feed whenever feasible, Development of a looped system, and Standardization of transmission and distribution facility sizing and materials.
		UT-21	Require new development to construct water system improvements necessary	Existing	Maintains current practice	No change proposed

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			to serve the development and to provide a reliable integrated distribution system.			
		UT-22	Maintain adequate storage facilities to meet equalizing and fire demand volume and emergency supply.	Updated	Clarity of purpose	Maintain adequate water storage facilities to meet equalizing and fire demand volume and emergency supply.
		UT-23	Pursue the creation of emergency inter-ties with adjacent purveyors.	Updated	Clarity	Ensure a resilient water system by pursuing Pursue the creation of emergency inter-ties with adjacent purveyors.
		UT-24	Prohibit the creation of new water systems within the City of Redmond to ensure that Redmond is the primary provider of water service. Facilitate the City being the sole provider by encouraging the connection to City water for those properties on existing private well systems.	Existing	Maintains current practices	No change proposed
		UT-25	Require connection to the City water system for all new development permitted by the City.	Updated	Combined with UT-26	Require connection to the City water system for all new development permitted by the City, and for existing uses when development, such as a short plat, subdivision or other significant land use action, occurs to that property.

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		UT-26	Require connection to the City water system for existing uses when development, such as a short plat, subdivision or other significant land use action, occurs to that property.	Deleted	Combined with UT-25	Strike Require connection to the City water system for existing uses when development, such as a short plat, subdivision or other significant land use action, occurs to that property.
C. Sewer	Facilities	UT-27	Ensure that the City of Redmond is the primary provider of wastewater service within the city limits.	Existing	Maintains existing practices	No change proposed
		UT-28	Require connection to the City wastewater system for all new development and for existing uses when development, such as a short plat, subdivision or other significant land use action, occurs to that property. Extend a waiver in limited circumstances where the economic impact of connection is high and there is no public safety concern.	Updated	Removes waiver	Require connection to the City wastewater system for all new development and for existing uses when development, such as a short plat, subdivision or other significant land use action, occurs to that property. Extend a waiver in limited circumstances where the economic impact of connection is high and there is no public safety concern.
		UT-29	Design wastewater systems to provide efficient and reliable service while balancing short-and long-term costs. Use gravity collection whenever feasible.	Updated	Updated to reflect current practices and standards	Design wastewater systems to provide efficient and reliable service while balancing short-and long-term costs. Use gravity collection whenever feasible.
		UT-30	Require development to construct sewer system improvements necessary	Existing	Maintains existing practices	No change proposed

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			to serve the development and to use design and construction standards for wastewater facilities that: <ul style="list-style-type: none"> • Facilitate long-term operation and maintenance at the lowest reasonable cost, Meet or exceed the State Department of Ecology standards, • Comply with state or federal regulations, and • Provide a reliable integrated collection system. 			
		UT-31	Support a regional approach to wastewater treatment by contracting with King County for transmission and treatment of Redmond’s wastewater.	Existing	Maintains existing practices	No change proposed
		UT-32	Adopt or allow new technologies for waste disposal if they prove equal or superior to existing methods.	Deleted	Covered in other policies and practices	Strike Adopt or allow new technologies for waste disposal if they prove equal or superior to existing methods.
		UT-33	Require existing development to connect to the City wastewater collection system when on-site systems have failed and sewer facilities are available.	Updated	Includes KC Health Dept requirement	Require existing development to connect to the City wastewater collection system when on-site systems have failed, sewer facilities are available, or when required by the King County Health Department.

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		UT-34	Encourage conversion from onsite wastewater disposal systems as sewer lines become available so that all septic systems in the city are eventually eliminated.	Existing	Maintains existing practices	No change proposed
		UT-35	Prohibit stormwater connections to the sanitary sewer system and require separation of stormwater and sewer systems except in cases where the public health and safety calls for such connections.	Deleted	Current standard, policy not needed	Strike Prohibit stormwater connections to the sanitary sewer system and require separation of stormwater and sewer systems except in cases where the public health and safety calls for such connections.
D. Stormwater		UT-36	Maintain, use and require development to use stormwater design and construction standards that: <ul style="list-style-type: none"> • Address rate of discharge, water quality and method of storm drainage; • Incorporate the principles of “Best Management Practices;” • Address methods to control runoff during construction to limit erosion, siltation and stream channel scouring; and • Minimize adverse impacts to natural watercourses. 	Existing	Maintains existing practices	No change proposed

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		UT-37	Evaluate the feasibility of regional detention and treatment facilities and support their use where the concept proves feasible.	Updated	Updated to prioritize regional facilities as preferred tool.	Utilize regional stormwater facilities as preferred infrastructure for stormwater management where stormwater cannot be fully managed on site. Evaluate the feasibility of regional detention and treatment facilities and support their use where the concept proves feasible.
		UT-38	Ensure that the design of stormwater management facilities approximates predevelopment levels of infiltration and that they are designed to provide recharge in those areas where recharge is appropriate.	Existing	Maintains existing practices	No change proposed
		UT-39	Encourage open channel drainage systems, natural or man-made, whenever feasible through retention of existing systems and the development of new ones.	Existing	Maintains existing practices	No Change proposed
		UT-40	Allow stormwater retention/ detention facilities to qualify towards fulfilling open space requirements. Tie the percentage allowed to the intensity of use and density: a smaller percentage for low-density residential graduating to	Updated	Clarity	Allow at-grade or above-ground stormwater retention/ detention facilities to qualify towards fulfilling open space requirements. Tie the percentage allowed to the intensity of use and density: a smaller percentage

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			a higher percentage for high-density residential and nonresidential.			for low-density residential graduating to a higher percentage for high-density residential and nonresidential.
		UT-41	Encourage incorporation of natural systems into building designs to minimize runoff. Examples of such designs are sod roofs or rainwater capture to provide on-site landscape watering.	Updated	Simplified	Encourage incorporation of natural systems into building designs to minimize runoff. Examples of such designs are sod roofs or rainwater capture to provide on-site landscape watering.
		UT-42	Pursue the development of street standards that incorporate natural systems into the design of the streets. Examples of this are swales planted with native vegetation, such as the Street Edge Alternative (SEA) project, a natural drainage roadway in Seattle’s Broadview neighborhood.	Updated	Simplified	Design public infrastructure to minimize impacts to surface water. Pursue the development of street standards that incorporate natural systems into the design of the streets. Examples of this are swales planted with native vegetation, such as the Street Edge Alternative (SEA) project, a natural drainage roadway in Seattle’s Broadview neighborhood.
		UT-43	Use the 2001 Western Washington Stormwater Management Manual with adjustments to suit local conditions when conditioning development or designing systems.	Updated	Updated to remove limitation of edition of manual	Use the current City-adopted Stormwater Management Manual for Western Washington 2001 Western Washington Stormwater Management Manual with adjustments to suit local conditions when conditioning development or designing systems.

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		UT-44	Cooperate and participate in groundwater management and basin plans with surrounding jurisdictions and implement policies where local action is feasible.	Existing	Maintains existing practices	No change proposed
		UT-45	Maintain and enforce minimum operation and maintenance standards for publicly and privately owned stormwater systems as set forth in the Stormwater Plan and the Municipal Code.	Existing	Maintains existing practices	No change proposed
		UT-46	Coordinate publicly and privately owned stormwater system maintenance activities in accordance with established standards.	Deleted	Not current practice	Strike Coordinate publicly and privately owned stormwater system maintenance activities in accordance with established standards.
		UT-47	Consider upgrading existing retention or detention facilities when new technologies prove more efficient or when upgrades such as attractive fencing or landscape materials can add amenity value to the neighborhoods.	Deleted	Not needed as a policy	Strike Consider upgrading existing retention or detention facilities when new technologies prove more efficient or when upgrades such as attractive fencing or landscape materials can add amenity value to the neighborhoods.
		UT-48	Develop and implement regulations and procedures concerning the storage and use of hazardous materials in	Existing	Maintains existing practices	No change proposed

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			coordination with other City departments.			
		UT-49	Develop and implement an emergency response plan for responding to surface and groundwater contamination emergencies to protect Redmond wells, coordinating among affected City departments.	Existing	Maintains existing practices	No change proposed
		UT-50	Follow standards concerning street waste and decant facility management procedures found in the Redmond Stormwater Facility Plan and the Municipal Code	Updated	simplified	Establish and implement street waste and decant facility management standards. Follow standards concerning street waste and decant facility management procedures found in the Redmond Stormwater Facility Plan and the Municipal Code
E. Solid Waste	Solid Waste Planning	UT-51	Continue to coordinate with King County on regional hazardous and solid waste issues, such as product stewardship and the “wastemobile,” waste studies, and construction and demolition debris.	Updated	simplified	Continue to c Coordinate with King County on regional hazardous and solid waste issues. , such as product stewardship and the “wastemobile,” waste studies, and construction and demolition debris.
	Solid Waste Management	UT-52	Provide solid waste and recycling collection services within the city, using contract hauling, or whichever method	Updated	Revised to reflect current goals and priorities	Provide solid waste, and recycling, and organic waste collection services within the city and advance zero-waste

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			is most economical and efficient for both residents and businesses, and uses sustainable practices.			practices that support sustainable consumption, with a preference for contract hauling. with a—using contract hauling, or whichever method is most economical and efficient for both residents and businesses, and uses sustainable practices.
		UT-53	Continue public education programs on solid waste management, recycling, waste reduction, and the proper storage and disposal of hazardous wastes.	Updated	Revised to reflect current goals and priorities	Continue public education programs and behavior change focused outreach on solid waste management, recycling, waste reduction, composting , and the proper storage and disposal of hazardous wastes.
		UT-54	Enforce codes to ensure adequate and conveniently located space for garbage and recycling collection containers in commercial, multifamily and mixed-use buildings	Updated	Revised to reflect current goals and priorities	Enforce codes to e Ensure adequate and conveniently located space for garbage, compost , and recycling collection containers is provided in multifamily and non-residential developments. in commercial, multifamily and mixed-use buildings
		UT-55	Support recycling through such means as: <ul style="list-style-type: none"> • Composting food waste from kitchen and lunch areas, yard waste from landscaping practices and manure from Farrell McWhirter Farm; • Placing disposal containers in 	Updated	Revised and simplified to reflect current goals and priorities	Support and implement city-focused efforts to reduce waste, recycle, and compost that sets a good example for the community. Support recycling through such means as:

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			<p>convenient locations;</p> <ul style="list-style-type: none"> • Using incentive programs to encourage recycling of materials; • Purchasing City goods containing recycled materials; and • Encouraging procurement of recycled content products by residents and businesses. 			<ul style="list-style-type: none"> • Composting food waste from kitchen and lunch areas, yard waste from landscaping practices and manure from Farrell McWhirter Farm; • Placing disposal containers in convenient locations; • Using incentive programs to encourage recycling of materials; • Purchasing City goods containing recycled materials; and • Encouraging procurement of recycled content products by residents and businesses.
		UT-56	<p>If solid waste reduction and recycling goals are not met, consider implementing mandatory programs which would further sustainability goals by minimizing impact to the Cedar Hills landfill and preventing cost increases associated with securing alternative waste disposal sites.</p>	Updated	Simplified for clarity	<p>If solid waste reduction and recycling goals are not met, consider implementing mandatory programs or adopting other mitigation measures that which would further sustainability goals by minimizing impact to the Cedar Hills landfill and preventing cost increases associated with securing alternative waste disposal sites.</p>
		UT-57	<p>To prepare for potential emergencies, work with state and county agencies to coordinate a debris management plan so that materials can be recycled and disposed of properly.</p>	Updated	Revised to reflect current goals and priorities	<p>Maintain a Debris Management Plan that establishes procedures and guidelines for managing disaster-related debris in a coordinated, environmentally-responsible, and cost-effective manner, and is coordinated</p>

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						<p>with state and regional debris management planning.</p> <p>To prepare for potential emergencies, work with state and county agencies to coordinate a debris management plan so that materials can be recycled and disposed of properly.</p>
F. Energy	Service Overview	UT-58	Work with energy service providers to ensure energy facility plans reflect and support Redmond’s Land Use Plan and that energy resources are available to support the Land Use Plan.	Existing	Maintains existing practices	No change proposed
		UT-59	Work with energy service providers to promote an affordable, reliable and secure energy supply that increases development and use of renewable and less carbon-intensive sources, and that minimizes demand and consumption.	Updated	Updated to reflect city priorities	<p>Work with energy service providers to support the transition of utility energy fuel mixes to renewable sources to achieve 100% renewable energy for the community.</p> <p>Work with energy service providers to promote an affordable, reliable and secure energy supply that increases development and use of renewable and less carbon-intensive sources, and that minimizes demand and consumption.</p>
		UT-60	Coordinate and seek to cooperate with other jurisdictions when energy transmission facility additions or	Existing	Maintains existing practices	No change proposed

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			improvements cross jurisdictional boundaries. Include efforts to achieve consistency between jurisdictions in permit timing.			
	Electrical Energy and Facilities	UT-61	Recognize the current Electrical Facilities Plan, authored by Puget Sound Energy, as the facility plan for electrical utilities serving Redmond and the vicinity. Use this plan, where it is consistent with Redmond’s land use goals, as a guide in identifying and preserving utility corridors and locating electrical facilities.	Updated	Simplified	Utilize the current Puget Sound Energy Electrical Facilities Plan for electrical utilities serving Redmond. Recognize the current Electrical Facilities Plan, authored by Puget Sound Energy, as the facility plan for electrical utilities serving Redmond and the vicinity. Use this plan, where it is consistent with Redmond’s land use goals, as a guide in identifying and preserving utility corridors and locating electrical facilities.
		NEW		New	New policy to support grid reliability and reduce need for additional facilities	Support initiatives to increase grid reliability through energy efficiency, demand response, energy storage that reduces peak load, and provides grid flexibility.
		UT-62	Allow electrical utility facilities as a permitted use where appropriate to ensure that land is available for the siting of electrical facilities	Existing	Maintains existing practices	No change proposed

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		UT-63	Coordinate with Puget Sound Energy or any successor when considering land use designations or new development in the vicinity of proposed facility locations that might affect the suitability of the designated areas for location of facilities.	Existing	Maintains existing practices	No change proposed
		UT-64	Encourage pruning of trees to direct growth away from overhead utility lines, education about proper placement and choice of landscape plants, and encourage phased replacement of vegetation located improperly in the right-of-way. To the extent possible, maintain ecological functions and values when managing vegetation located in critical areas.	Updated	Simplified and combined with UT -65	<p>Encourage and ensure the pruning of vegetation and proper choice and placement of plants to direct growth away from overhead utility lines.</p> <p>Encourage pruning of trees to direct growth away from overhead utility lines, education about proper placement and choice of landscape plants, and encourage phased replacement of vegetation located improperly in the rightof-way. To the extent possible, maintain ecological functions and values when managing vegetation located in critical areas.</p>
		UT-65	Ensure that pruning of trees necessary for safe and reliable utility service is performed in an aesthetic manner to the greatest extent possible and performed according to professional	Deleted	Combined with UT-64	<p>Strike</p> <p>Ensure that pruning of trees necessary for safe and reliable utility service is performed in an aesthetic manner to the greatest extent possible and performed according to professional</p>

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			arboricultural specifications and standards.			arboricultural specifications and standards.
		UT-66	Discourage the use of herbicides to control vegetative growth around utility facilities, encourage alternative methods such as mowing or selective treatment, and encourage more environmentally friendly herbicides.	Deleted	Covered in other policies and practices	Strike Discourage the use of herbicides to control vegetative growth around utility facilities, encourage alternative methods such as mowing or selective treatment, and encourage more environmentally friendly herbicides.
		UT-67	Require designs that incorporate known and accepted low-cost technological methods of reducing magnetic fields or the exposure to them when siting high-voltage electrical facilities until further research provides more information on the health effects of electromagnetic fields. Methods may include: <ul style="list-style-type: none"> • Line configurations that reduce field strength, • Sufficient right-of-way widths, and • Sufficient height of lines from the ground for high-voltage transmission facilities. 	Deleted	Not a city issue	Strike Require designs that incorporate known and accepted low-cost technological methods of reducing magnetic fields or the exposure to them when siting high-voltage electrical facilities until further research provides more information on the health effects of electromagnetic fields. Methods may include: <ul style="list-style-type: none"> • Line configurations that reduce field strength, • Sufficient right-of-way widths, and • Sufficient height of lines from the ground for high-voltage transmission facilities.
		UT-68	Periodically review the state of scientific research on ELF/EMF and modify policies and regulations, if warranted,	Deleted	Not a city issue	Strike Periodically review the state of scientific research on ELF/EMF and modify

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			by changing knowledge or if new state or federal regulation requires changes.			policies and regulations, if warranted, by changing knowledge or if new state or federal regulation requires changes.
		UT-69	Implement electric vehicle charging stations infrastructure to help encourage the deployment of electric vehicles, using public and private facilities throughout the central Puget Sound region.	Deleted	Moved to draft Climate Resiliency Element	Strike Implement electric vehicle charging stations infrastructure to help encourage the deployment of electric vehicles, using public and private facilities throughout the central Puget Sound region.
		UT-70	Transition the City's fleet away from fossil fuels to alternatives such as electric and hybrid vehicles.	Deleted	Moved to draft Climate Resiliency Element	Strike Transition the City's fleet away from fossil fuels to alternatives such as electric and hybrid vehicles.
	Natural Gas Energy and Facilities	UT-71	Encourage and provide opportunities to convert existing homes or businesses to natural gas from oil and less efficient electric space and water heating equipment.	Updated	Updated to reflect city priorities	Commit to moving away from natural gas as an energy source while ensuring that existing natural gas facilities are maintained and improved for safety and efficiency. Encourage and provide opportunities to convert existing homes or businesses to natural gas from oil and less efficient electric space and water heating equipment.

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		UT-72	Facilitate efforts to develop a natural gas fuel infrastructure. This may include: <ul style="list-style-type: none"> • Updating regulations to address this technology, • Training fire and police personnel so they are well versed with this technology, • Taking leadership or cooperating with other jurisdictions in building a natural gas fueling facility for government vehicles, and • Identifying areas for the potential siting of a biomass production facility. 	Deleted	No longer reflect city priorities	Strike Facilitate efforts to develop a natural gas fuel infrastructure. This may include: <ul style="list-style-type: none"> • Updating regulations to address this technology, • Training fire and police personnel so they are well versed with this technology, • Taking leadership or cooperating with other jurisdictions in building a natural gas fueling facility for government vehicles, and • Identifying areas for the potential siting of a biomass production facility.
	Renewable Energy	UT-73	Promote, support and increase the use of clean renewable energy by: <ul style="list-style-type: none"> • Advocating for the development of renewable energy sources; • Facilitating development and use of innovative technologies, such as on-site renewable energy; and • Providing incentives for development that incorporates renewable energy. 	Deleted	Moved to draft Climate Resiliency Element	Strike Promote, support and increase the use of clean renewable energy by: <ul style="list-style-type: none"> • Advocating for the development of renewable energy sources; • Facilitating development and use of innovative technologies, such as on-site renewable energy; and • Providing incentives for development that incorporates renewable energy.
	Energy Efficiency	UT-74	Support an affordable, efficient and secure energy supply that increases the development and use of renewable and	Deleted	Moved to draft Climate Resiliency Element	Strike Support an affordable, efficient and secure energy supply that increases the development and use of renewable and

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			less carbon-intensive sources and that minimizes demand and consumption.			less carbon-intensive sources and that minimizes demand and consumption.
		UT-75	Promote decreased energy consumption and enhanced energy efficiency throughout the City's building stock.	Deleted	Moved to draft Climate Resiliency Element	Strike Promote decreased energy consumption and enhanced energy efficiency throughout the City's building stock.
		UT-76	Explore methods to increase the opportunities for individuals to realize greater energy efficiencies in their use of the built environment.	Deleted	Moved to draft Climate Resiliency Element	Strike Explore methods to increase the opportunities for individuals to realize greater energy efficiencies in their use of the built environment.
		UT-77	Promote the development of energy management technologies as part of efficiently meeting the City's energy needs through techniques, such as benchmarking buildings for energy performance, optimizing input energy requirements, and initiating incentive programs for net-zero energy structures.	Deleted	Moved to draft Climate Resiliency Element	Strike Promote the development of energy management technologies as part of efficiently meeting the City's energy needs through techniques, such as benchmarking buildings for energy performance, optimizing input energy requirements, and initiating incentive programs for net-zero energy structures.
		UT-78	Support economic development strategies that emphasize recruitment	Deleted	Moved to draft Climate Resiliency Element	Strike Support economic development strategies that emphasize recruitment

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			of businesses involved in renewable and clean energy.			of businesses involved in renewable and clean energy.
		UT-79	Develop an energy conservation awareness program that: <ul style="list-style-type: none"> • Educates residents on the benefits of energy conservation; • Educates the public on the energy benefits of having trees and planting trees; • Educates business owners and employers in long-term savings from energy efficient investments; and • Assists businesses with identification of funding assistance for energy upgrades, retrofits and new technology. 	Deleted	Moved to draft Climate Resiliency Element	Strike Develop an energy conservation awareness program that: • Educates residents on the benefits of energy conservation; • Educates the public on the energy benefits of having trees and planting trees; • Educates business owners and employers in long-term savings from energy efficient investments; and • Assists businesses with identification of funding assistance for energy upgrades, retrofits and new technology.
		UT-80	Reduce energy consumption through actions by the City of Redmond and encourage residents and businesses to conserve energy through measures such as: <ul style="list-style-type: none"> • Supporting trip-reducing or transit oriented land use; • Supporting community use of alternative fuel vehicle; • Using alternative-fuel vehicles; • Requiring installation of street trees and parking landscape; 	Deleted	Moved to draft Climate Resiliency Element	Strike Reduce energy consumption through actions by the City of Redmond and encourage residents and businesses to conserve energy through measures such as: • Supporting trip-reducing or transit oriented land use; • Supporting community use of alternative fuel vehicle; • Using alternative-fuel vehicles;

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			<ul style="list-style-type: none"> • Allowing clustering with common wall construction; • Encouraging the use of “Green” roofs or reflective roofing materials that reduce the heat island effect; • Encouraging building design with natural solar gain for heating; • Promoting energy-efficient design, including siting, building envelope and use of natural light; and • Providing tools that help residents and businesses quantify the effectiveness of their conservation efforts. 			<ul style="list-style-type: none"> • Requiring installation of street trees and parking landscape; • Allowing clustering with common wall construction; • Encouraging the use of “Green” roofs or reflective roofing materials that reduce the heat island effect; • Encouraging building design with natural solar gain for heating; • Promoting energy-efficient design, including siting, building envelope and use of natural light; and • Providing tools that help residents and businesses quantify the effectiveness of their conservation efforts.
G. Telecommunications	Facilities	UT-81	Work with telecommunications providers to ensure facility plans reflect and support Redmond’s Land Use Plan and that resources are available to support the Land Use Plan.	Deleted	Not current practice	Strike Work with telecommunications providers to ensure facility plans reflect and support Redmond’s Land Use Plan and that resources are available to support the Land Use Plan.
		UT-82	Negotiate mutually beneficial franchise contract conditions that support the delivery of cost-effective services desired by Redmond residents and businesses.	Updated	Adds undergrounding requirement	Negotiate mutually beneficial franchise contract conditions that support the delivery of cost-effective services desired by Redmond residents and businesses including to require undergrounding when above ground electrical facilities are abandoned.

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		UT-83	Promote a wide range of telecommunications options. This can include: <ul style="list-style-type: none"> • Making City facilities available for placement of antennas, • Treating attached cellular base antennas as other building or rooftop appurtenances, and • Support website communication between the City and its residents and customers. 	Updated	Updated to reflect city priorities	<p>Promote a wide range of telecommunications options, including use of city facilities, as well as regulatory flexibility, for new and emerging technologies and services to ensure reliable and universal access to internet services for all.</p> <p>Promote a wide range of telecommunications options. This can include:</p> <ul style="list-style-type: none"> • Making City facilities available for placement of antennas, • Treating attached cellular base antennas as other building or rooftop appurtenances, and • Support website communication between the City and its residents and customers.
		UT-84	Reconsider and update, as appropriate, existing regulation of satellite dishes as newer technology leads to downsizing of the dish antennas.	Deleted	Outdated	Strike Reconsider and update, as appropriate, existing regulation of satellite dishes as newer technology leads to downsizing of the dish antennas.
		UT-85	Prioritize City emergency and operating communications over private telecommunications in the case where a private telecommunication service	Updated	Simplified	Prioritize City emergency and operating communications uses on city-owned facilities.

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			desires use of a public building or facility to avoid conflicts between signal interference and mounting space.			Prioritize City-emergency and operating communications over private telecommunications in the case where a private telecommunication service desires use of a public building or facility to avoid conflicts between signal interference and mounting space.
		UT-86	Acknowledge the importance of citizen band and amateur radio services in potential emergency situations when considering regulatory changes that would affect the operational ability of such facilities.	Deleted	Misplaced	Strike Acknowledge the importance of citizen band and amateur radio services in potential emergency situations when considering regulatory changes that would affect the operational ability of such facilities.
		UT-87	Avoid the proliferation of telecommunications towers and reduce the visual impact of telecommunications equipment through such means as: <ul style="list-style-type: none"> • Requiring facilities to be mounted on existing high structures such as water towers if sites are available, • Requiring telecommunications providers to share tower facilities except in cases where the location would not be feasible due to operating parameters, • Using paint colors or tower materials 	Updated	Simplified	Avoid Limit the proliferation of telecommunications towers and reduce the visual impact of telecommunications equipment. through such means as: <ul style="list-style-type: none"> • Requiring facilities to be mounted on existing high structures such as water towers if sites are available, • Requiring telecommunications providers to share tower facilities except in cases where the location would not be feasible due to operating parameters,

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			that blend with or complement the nearby area, • Encouraging individual taller towers over multiple shorter ones, • Requiring removal of towers no longer needed, and • Using screening or architecturally compatible design of service boxes.			• Using paint colors or tower materials that blend with or complement the nearby area, • Encouraging individual taller towers over multiple shorter ones, • Requiring removal of towers no longer needed, and • Using screening or architecturally compatible design of service boxes.
		UT-88	Maintain Redmond’s competitiveness in support of businesses, residents and visitors by promoting access to advanced and affordable communications technology citywide.	Deleted	Misplaced	Strike Maintain Redmond’s competitiveness in support of businesses, residents and visitors by promoting access to advanced and affordable communications technology citywide.
H. Hazardous Liquid Pipelines	Policies to Minimize Pipeline Damage	UT-89	Require proposed developments, expansions of existing uses and construction projects, both public and private, located near hazardous liquid pipeline to: • Show the location of the liquid pipeline corridors in relation to proposed structures, utilities, or clearing and grading activities; • Use techniques prior to and during construction to minimize the potential for disturbing the pipeline; • Identify and mitigate potential erosion	Existing	Maintains existing practice	No change proposed

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			over pipelines from stormwater discharge; <ul style="list-style-type: none"> • Use setbacks and other site design techniques to minimize the potential hazard; and • Develop emergency plans as appropriate. 			
		UT-90	Coordinate with the pipeline operator when developments are proposed near a hazardous liquid pipeline corridor to reduce the potential for problems. Methods include but are not limited to: <ul style="list-style-type: none"> • Notifying the pipeline operator of proposed development projects located within one-quarter mile of a pipeline corridor; • Seeking the pipeline operator’s participation in preconstruction meetings for projects located within 150 feet of a pipeline corridor; • Requesting the operator to determine if additional measures above the normal locating process are necessary to physically verify pipeline locations before proceeding to develop; and • Seeking monitoring by the pipeline operator of development that involves land disturbance or other significant work within the pipeline corridor, or 	Existing	Maintains existing practice	No change proposed

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			within 30 feet of a pipeline, whichever is greater.			
	Land Use Compatibility	UT-91	Prohibit new high consequence land uses from locating near a hazardous liquid pipeline corridor. Design proposed expansions of existing high consequence land uses to, at a minimum, avoid increasing the level of risk in the event of a pipeline failure, and where feasible, to reduce the risk.	Updated	Simplified	Prohibit new high consequence land uses from locating near a hazardous liquid pipeline corridor. Design proposed expansions of existing high consequence land uses to, at a minimum, avoid increasing the level of risk in the event of a pipeline failure, and where feasible, to reduce the risk.
		UT-92	Require appropriate mitigation measures that help reduce adverse impacts in the event of a pipeline failure to be used by commercial, industrial, multifamily or other development which, because of proximity to a hazardous liquid pipeline corridor, poses safety concerns due to characteristics of the occupants, development or site.	Updated	Simplified	Require appropriate mitigation measures that help reduce adverse impacts in the event of a pipeline failure to be used by commercial, industrial, multifamily or other development which, because of proximity to a hazardous liquid pipeline corridor, poses safety concerns due to characteristics of the occupants, development or site.
	Pipeline Safety	UT-93	Require, through a franchise agreement or other mechanisms, maintenance of the hazardous liquid pipeline corridor through activities, including but not limited to the following: <ul style="list-style-type: none"> • Maintaining vegetation to enable visibility and access for inspection while ensuring that such maintenance does 	Deleted	City can't mandate	Strike Require, through a franchise agreement or other mechanisms, maintenance of the hazardous liquid pipeline corridor through activities, including but not limited to the following: • Maintaining vegetation to enable visibility and access for inspection while

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			not contribute to soil erosion; • Using plant species and plantings that prevent erosion; • Ensuring that above and below grade pipeline markers containing information, such as operator name and number and facility type, are in place; and • Conducting periodic visual inspections of the corridor.			ensuring that such maintenance does not contribute to soil erosion; • Using plant species and plantings that prevent erosion; • Ensuring that above and below grade pipeline markers containing information, such as operator name and number and facility type, are in place; and • Conducting periodic visual inspections of the corridor.
		UT-94	Expedite permits for the hazardous liquid pipeline company necessary for inspections and repairs.	Deleted	Regulatory	Strike Expedite permits for the hazardous liquid pipeline company necessary for inspections and repairs.
		UT-95	Strive to establish, in cooperation with the pipeline operator, a neighborhood education program with a frequency of every two years for those who live or work within one-quarter mile of the hazardous liquid pipeline to educate them and the general public about pipeline safety.	Updated	Simplified	Establish, in cooperation with pipeline owners, a pipeline safety education program with a focus on properties near hazardous liquid pipeline facilities. Strive to establish, in cooperation with the pipeline operator, a neighborhood education program with a frequency of every two years for those who live or work within one-quarter mile of the hazardous liquid pipeline to educate

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						them and the general public about pipeline safety.
		UT-96	Continue to work with other jurisdictions, state and federal governments, and the pipeline operator to seek improvements in safety measures for hazardous liquid pipelines.	Deleted	Covered in other policies	Strike Continue to work with other jurisdictions, state and federal governments, and the pipeline operator to seek improvements in safety measures for hazardous liquid pipelines.